```
Enterohaemorragic E. coli 0157:H7-specific protein SEQ ID NO: 393.
XX
KW
     enterohaemorragic; anti-bacterial; BOND_PC; hypothetical protein;
KW
     hypothetical protein ECs1812 [Escherichia coli 0157:H7];
KW
     hypothetical protein ECs1812 [Escherichia coli O157:H7 str. Sakai];
KW
     unknown protein encoded by cryptic prophage CP-933P;
KW
     hypothetical protein [Escherichia coli 0157:H7 str. Sakai].
XX
os
     Escherichia coli; 0157:H7.
XX
PN
     JP2002355074-A.
XX
PD
     10-DEC-2002.
XX
PF
     24-JAN-2002; 2002JP-00015959.
XX
PR
     24-JAN-2001; 2001JP-00112010.
XX
PA
     (UYTS-) UNIV TSUKUBA.
XX
DR
     WPI: 2003-451640/43.
DR
     PC:NCBI; qi13259568.
XX
PT
     Enterohemorragic Escherichia coli 0157:H7-specific nucleic acid molecule
PT
     and a polypeptide and its use, a polypeptide, a vector and a host cell.
XX
PS
     Claim 3; SEQ ID NO 393; 2067pp; Japanese.
XX
CC
     The invention relates to a novel enterohaemorragic Escherichia coli
     0157:H7-specific nucleic acid molecule. A polynucleotide of the invention
CC
     has anti-bacterial activity. The polypeptide can be used in detection
CC
CC
     and/or treatment of O157:H7 infection. The nucleotide sequence of the
CC
    genome of Enterohaemorragic E coli 0157:H7 was determined. The present
CC
     sequence represents an E. coli 0157:H7-specific polypeptide of the
CC
     invention.
CC
CC
     Revised record issued on 15-JUN-2007 : Enhanced with precomputed
CC
     information from BOND.
XX
SO
     Sequence 441 AA;
  Ouerv Match
                        84.1%; Score 1943.5; DB 6; Length 441;
  Best Local Similarity 81.0%; Pred. No. 5.8e-175;
  Matches 359; Conservative 32; Mismatches 37; Indels 15; Gaps
           1 MNIOPNIHSGITTONNOOHHHAEOVPVSSSIPRSDLPPNCEAGFVVHIPEDIOOHVPECG 60
QУ
             Db
           1 MNIOPTIOSGITSONN-OHHOTEOIP-STOIPOSELPLGCOAGFVVNIPDDIOOHAPECG 58
          61 ETTALLSLIKDEGLLSGLDKYLAPHLEEGSLGKKALDTFGLFNVTQMALEIPSSVPGISG 120
Qv
             59 ETTALLSLIKDKGLLSGLDEYIAPHLEEGSIGKKTLDMFGLFNVTQMALEIPSSVSGISG 118
Db
Qу
         121 KYGVOMNIVKPDIHPTTGNYFLOLFPLHDEIGFNFKDLPGPLKNALTNSSI----- 171
             119 KYGVQLNIVKPDIHPTSGNYFLQIFPLHDEIGFNFKDLPGPLKNALSNSNISTTAVSTIA 178
Db
          172 ----SATASTVAPTPNDPMPWFGLTAOVVRNHGVELPIVKTENGWKLVGETPLTPDGPKA 227
http://es/ScoreAccessWeb/GetItem.action?AppId=10577742&seqId=09323b67805ed4b6&ItemName=20... 12/7/2009
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SCORE Search Results Details for Application 10577742 and Search Result 20080107_074808_us-10-5... Page 1 of 2

Appendix A

<!--StartFragment-->RESULT 2

15-JUN-2007 (revised)

04-DEC-2003 (first entry)

ADC00348;

ADC00348 standard; protein; 441 AA.

ADC00348 ID ADC

XX AC

YY

DT DT

XX DE

SCORE Search Results Details for Application 10577742 and Search Result 20080107_074808_us-10-5 Page 2 of 2	
Db	
Qy	228 NYTEEWVIRPGEADFKYGTSPLQATLGLEFGAHFKWDLDNPNTKYAILTNAAANAIGAAG 287
Db	
Qу	288 GFAVSKVPGIDPMLSPHVGAMLGQAAGHAVQCNTPGLKPDTILWWAGATFGAADLNKAEF 347
Db	: : :
Qy	348 DKVRFTDYPRIWFHAREGALFPNKQDIARVTGADIKAMEEGVPVGHQHPKPEDVVIDIEG 407
Db	:
Qy	408 GNSPHHNPSNYVDTFEIIQETRV 430
Db EndFr</td <td>419 NGLPHHNPSNHVDIFDIIQETRV 441 ragment></td>	419 NGLPHHNPSNHVDIFDIIQETRV 441 ragment>